

Serial No. : 09/765,893
Filed : January 18, 2001

Please amend the application as follows:

IN THE CLAIMS

Please amend the claims as follows:

1. (currently amended) A method for controlling access of a user to a ~~telecommunications network~~ via a gateway server having a first data structure and server communications device and a first data structure providing connectivity via a telecommunications network to one or more destination hosts, comprising:

~~the said~~ gateway server receiving a profile identifier;

~~the said~~ gateway server accessing a profile stored in a database at the first data structure based on the profile identifier, ~~the said~~ profile containing at least one or more access criterion criteria, at least one of said criteria measuring a dynamically decrementable resource, said decrementable resource being capable of incrementation, said criteria being resolved wholly at said gateway server, independent of any criteria necessitated by said telecommunications networks or destination host;

if ~~all the said~~ access criteria are satisfied, ~~the said~~ gateway server allowing ~~the said~~ user access to ~~the said~~ telecommunications network; and

if ~~any said~~ access criteria are not satisfied, ~~the~~ or during said access to said telecommunications network become unsatisfied, said gateway server denying the or terminating said user access to the said telecommunications network.

2. (currently amended) The method of claim 1 wherein at least one of said access ~~criterion~~ criteria is ~~the~~ time of day.

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3. (currently amended) The method of claim 1 wherein at least one of said access ~~criterion~~
criteria is ~~the~~ day of the week.

4. (original) The method of claim 1 wherein said profile additionally contains an account balance available to the user and the gateway server continuously decrements said account balance by the time elapsed during access to the telecommunications network.

5. (original) In the method of claim 1 in which the user communicates to the gateway server via a public switched telephone network, the step of receiving a profile identifier comprising the gateway server receiving automatic number identification data from a public switched telephone network identifying the telephone number from which a user is connecting.

6. (currently amended) A method for controlling access of a computer terminal having a terminal communications device connected to telecommunications lines to a ~~computer network~~ one or more destination hosts via a gateway server having a first data structure and a server communications device accessible via telecommunications lines at a predetermined address, comprising:

providing removable computer readable media at said computer terminal, said readable media storing an address for accessing said gateway server;

providing a database at the first data structure storing at least one profile correlated to a profile identifier, said profile including ~~an access criterion~~ one or more access criteria, at least one of which represents sufficiency of a dynamically decrementable resource, such

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decrementable resource being capable of incrementation, said criteria being resolved wholly at said gateway server, independent of any criteria necessitated by said telecommunications networks or destination host;

~~the~~ said computer terminal accessing said gateway server at ~~the~~ said predetermined address via said telecommunications lines;

~~the~~ said gateway server receiving a profile identifier at said server communications device;

~~the~~ said gateway server accessing a profile associated with ~~the~~ said profile identifier received;

~~the~~ said gateway server determining whether ~~the~~ said access ~~criterion is~~ criteria are satisfied;

if ~~all the~~ said access ~~criterion~~ criteria in a profile associated with a said requesting computer terminal are satisfied, ~~the~~ said gateway server allowing ~~the~~ said requesting computer terminal access to ~~the computer network~~ said destination hosts via said telecommunications lines based solely on the information stored on said computer readable media, monitoring said access, and terminating said access should said decrementable resource become exhausted; and

if ~~the~~ said access ~~criterion~~ criteria in a profile associated with a said requesting computer terminal are not satisfied, ~~the~~ said gateway server denying ~~the~~ said requesting computer terminal access to ~~the computer network~~ said destination hosts.

7. (currently amended) The method of claim 6 wherein at least one of said access ~~criterion~~ criteria is ~~the~~ time of day.

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8. (currently amended) The method of claim 6 wherein at least one of said access ~~criterion~~
criteria is ~~the~~ day of the week.

9. (currently amended) The method of claim 6 wherein said profile additionally contains an
account balance available to ~~the~~ said computer terminal and ~~the~~ said gateway server ~~continuously~~
decrements said account balance by the time elapsed during access to ~~the~~ said computer network.

10. (currently amended) In the method of claim 6 in which at least one of ~~the~~ said computer
terminals communicates to ~~the~~ said gateway server via a public switched telephone network, the
step of receiving a profile identifier comprising ~~the~~ said gateway server receiving automatic
number identification data from a public switched telephone network identifying the telephone
number from which ~~a~~ said computer terminal is connecting.

11. (currently amended) A system for controlling access of ~~a plurality of one or more~~ computer
terminals to ~~a computer network~~ a telecommunications network which, in turn, provides
connectivity to one or more destinations hosts, comprising:

a gateway server having access to ~~the computer~~ said telecommunications network, said
gateway server having a server communications device accessible via telecommunications lines
at a predetermined address;

a said computer terminal having a terminal communications device connected to said
public communications lines;

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removable computer readable media at said computer terminal, the computer readable media storing:

(a) an address for accessing said gateway server; and
(b) programming instructions directing said computer terminal to access said gateway server at ~~the~~ said stored address via said telecommunications lines; and
a first data structure at ~~the~~ said gateway server storing:

(a) a database storing at least one profile correlated to a profile identifier, said profile including ~~an access criterion~~ one or more access criteria, at least one of which represents sufficiency of a dynamically decrementable resource, such decrementable resource being capable of incrementation, said criteria being resolved wholly at said gateway server, independent of any criteria necessitated by said networks or destination host;

(b) programming instructions directing the receipt of ~~a~~ said profile identifier at said server communications device;

(c) programming instructions directing the accessing of ~~a~~ said profile identified by said profile identifier;

(d) programming instructions determining whether said access ~~criterion is~~ criteria are satisfied;

(e) programming instructions disconnecting ~~the~~ said computer terminal if said access ~~criterion is~~ criteria are not satisfied; and

(f) programming instructions allowing ~~the~~ said computer terminal ~~computer~~ telecommunications network access if said access ~~criterion is~~ criteria are satisfied based

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solely on the information stored on said computer readable media, said access subject to
reverification to terminate access should said decrementable resource become exhausted.

12. (currently amended) The system of claim 11 wherein at least one of said access ~~critierion~~
criteria is ~~the~~ time of day.

13. (currently amended) The system of claim 11 wherein at least one of said access ~~critierion~~
criteria is ~~the~~ day of the week.

14. (currently amended) The system of claim 11 wherein said profile additionally contains an
account balance available to ~~the said~~ user and the gateway server ~~continuously~~ decrements said
account balance by the time elapsed during access to ~~the computer~~ said telecommunications
network.

15. (currently amended) In the system of claim 14 in which said computer terminal includes a
display, the system further comprising programming instructions stored at ~~the said~~ first data
structure directing the gateway server to transmit data representing ~~the said~~ account balance to
~~the said~~ computer terminal for display thereat.

16. (currently amended) The system of claim 11 wherein said telecommunications lines include a
public switched telephone network and said profile identifier includes automatic number

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identification data from said public switched telephone network identifying the telephone number from which a said computer terminal is connecting.

17. (currently amended) A method for controlling access of a one or more computer ~~terminal~~ terminals having a terminal communications device connected to by telecommunications lines to a ~~computer~~ telecommunications network via a gateway server having a first data structure and a server communications device accessible via telecommunications lines at a predetermined address for providing connectivity of said one or more computer terminals to one or more destination hosts, comprising:

providing removable computer readable media at said computer terminal, said readable media storing an address for accessing said gateway server;

providing a database at ~~the~~ said first data structure storing at least one profile correlated to a profile identifier, said profile ~~including an~~ containing one or more access criteria, at least one of which provides one or more permissible access time period periods;

~~the~~ said computer terminal accessing said gateway server at ~~the~~ said predetermined address via said telecommunications lines;

~~the~~ said gateway server receiving a profile identifier at said server communications device;

providing a chronometer at ~~the~~ said gateway server and determining the time of day of ~~the~~ said computer terminal access;

~~the~~ said gateway server accessing a said profile associated with ~~the~~ said profile identifier received;

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~~the said~~ gateway server determining whether ~~the said~~ computer terminal access has occurred during ~~the a~~ permissible access time period;

if the computer terminal access has occurred during ~~the a~~ permissible access time period as specified in ~~the said~~ profile, ~~the said~~ gateway server allowing ~~the said~~ requesting computer terminal access to ~~the computer network~~ said telecommunications network based solely on the information stored on said computer readable media, said access subject to reverification to ensure that said access is terminated beyond said permissible access period or periods as provided in said profile; and

if ~~the said~~ computer terminal access has not occurred during ~~the a~~ permissible access time period as provided in ~~the said~~ profile, ~~the said~~ gateway server denying ~~the said~~ requesting computer terminal access to ~~the computer~~ said telecommunications network.

18. (currently amended) In the method of claim 17 in which at least one of ~~the said~~ computer terminals communicates to ~~the said~~ gateway server via a public switched telephone network, the step of receiving information identifying ~~the said~~ computer terminal comprising ~~the said~~ gateway server receiving automatic number identification data from a public switched telephone network identifying ~~the said~~ telephone number from which a said computer terminal is requesting access.

19. (currently amended) A system for controlling access of a ~~plurality of one or more~~ computer terminals to a ~~computer network~~ telecommunications network providing connectivity to one or more destination hosts, comprising:

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a gateway server having access to ~~the computer~~ said telecommunications network, said gateway server having a server communications device accessible via telecommunications lines at a predetermined address;

a chronometer communicating with said gateway server;

a said computer terminal having a terminal communications device connected to said public communications lines;

removable computer readable media at said computer terminal, ~~the~~ said computer readable media storing:

- (a) an address for accessing said gateway server; and
 - (b) programming instructions directing said computer terminal to access said gateway server at ~~the~~ said stored address via said telecommunications lines; and
- a first data structure at the gateway server storing:
- (a) a database storing at least one profile correlated to a profile identifier, said profile including ~~an~~ one or more access criteria, at least one of which provides one or more permissible access time period s;
 - (b) programming instructions directing the receipt of a said profile identifier at said server communications device;
 - (c) programming instructions directing communication with said chronometer to determine the time of day of ~~the~~ said computer terminal access;
 - (d) programming instructions directing the accessing of a said profile identified by said profile identifier;

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(e) programming instructions determining whether ~~the~~ said access meets said criteria as provided in said profile identifier including whether said request was received during ~~the~~ a permissible access time period;

(f) programming instructions disconnecting ~~the~~ said computer terminal if ~~computer terminal access has occurred during the access time period~~ said criteria as provided in said profile are not satisfied; and

(g) programming instructions allowing ~~the~~ said computer terminal ~~computer telecommunications~~ network access if ~~the computer terminal access has not occurred during the access time period~~ said criteria as provided in said profile have been satisfied, subject to periodic reverification to ensure that access continues to meet said criteria.

20. (original) In the system of claim 19 wherein said telecommunications lines include a public switched telephone network and said profile identifier includes automatic number identification data from said public switched telephone network identifying the telephone number from which a computer terminal is connecting.

21. (currently amended) A method for controlling access of a one or more computer ~~terminal~~ terminals having a terminal communications device connected ~~to~~ via telecommunications lines to a ~~computer~~ telecommunications network via a gateway server having a first data structure and a server communications device accessible via telecommunications lines at a predetermined address providing connectivity to one or destination hosts, comprising:

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providing removable computer readable media at said computer terminal, said readable media storing an address for accessing said gateway server;

providing a database at ~~the~~ said first data structure storing at least one profile correlated to a profile identifier, said profile including one or more access criteria, at least one of which provides an account balance;

~~the~~ said computer terminal accessing said gateway server at ~~the~~ said predetermined address via said telecommunications lines;

~~the~~ said gateway server receiving a said profile identifier at said server communications device;

~~the~~ said gateway server accessing a said profile associated with ~~the~~ said profile identifier received;

~~the~~ said gateway server determining said criteria have been satisfied, including whether a balance remains in the account in ~~the accessed~~ said profile;

if said criteria are satisfied, including an account balance ~~remains~~ remaining in the profile, ~~the~~ said gateway server allowing ~~the~~ said requesting computer terminal access to ~~the computer network; and~~ said telecommunications network based solely on the information stored on said computer readable media, said access subject to periodic reverification to terminate access should said criteria no longer be satisfied;

if ~~no account balance remains in the profile, the~~ said criteria are not satisfied, said gateway server denying ~~the~~ said requesting computer terminal access to ~~the computer network~~ said telecommunications network; and

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said gateway server periodically updating said profile and decrementing said account balance as said balance is utilized.

22. (currently amended) In the method of claim 21 in which said computer terminal includes a display, the method further comprising the gateway server transmitting data to ~~the~~ said computer terminal representing ~~the~~ said account balance for display thereat.

23. (currently amended) In the method of claim 21 in which at least one of ~~the~~ said computer terminals communicates to ~~the~~ said gateway server via a public switched telephone network, the step of receiving information identifying ~~the~~ said computer terminal comprising ~~the~~ said gateway server receiving automatic number identification data from a public switched telephone network identifying the telephone number from which a computer terminal is requesting.

24. (currently amended) The method of claim 21 further comprising ~~the~~ said gateway server timing ~~the computer~~ said telecommunications network access and continuously decrementing said account balance by the time elapsed during access to ~~the computer~~ said telecommunications network.

25. (currently amended) A system for controlling access of ~~a plurality of~~ one or more computer terminals to a ~~computer network~~ telecommunications network providing connectivity to one or more destination hosts, comprising:

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a gateway server having access to ~~the computer~~ said telecommunications network, said gateway server having a server communications device accessible via telecommunications lines at a predetermined address;

a computer terminal having a terminal communications device connected to said public communications lines;

removable computer readable media at said computer terminal, ~~the~~ said computer readable media storing:

(a) an address for accessing said gateway server; and
(b) programming instructions directing said computer terminal to access said gateway server at ~~the~~ said stored address via said telecommunications lines; and
a first data structure at the gateway server storing:

(a) a database storing at least one profile correlated to a profile identifier, said profile including one or more access criteria, at least one of which provides an account balance;

(b) programming instructions directing the receipt of a said profile identifier at said server communications device;

(c) programming instructions directing the accessing of a said profile identified by said profile identifier;

(d) programming instructions determining whether said criteria are satisfied, including whether a balance remains in the account in the accessed profile;

(e) programming instructions disconnecting the computer terminal if ~~no~~ account balance remains said criteria are not satisfied; and

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(f) programming instructions allowing the computer terminal ~~computer~~ telecommunications network access if ~~an~~ said criteria are satisfied based solely on the information stored on said computer readable media, said access subject to periodic reverification to ensure that access is terminated should said criteria no longer be satisfied; and

(g) said gateway server periodically updating said profile and decrementing said account balance ~~remains~~ as said balance is utilized.

26. (currently amended) In the system of claim 25 in which said computer terminal includes a display, the system further comprising programming instructions stored at ~~the~~ said first data structure directing ~~the~~ said gateway server to transmit data representing ~~the~~ said account balance to ~~the~~ said computer terminal for display thereat.

27. (currently amended) In the system of claim 25 in which at least one of ~~the~~ said computer terminals communicates to ~~the~~ said gateway server via a public switched telephone network, the programming instructions directing receipt of information from a computer terminal comprising ~~the~~ said gateway server receiving automatic number identification data from ~~the~~ said public switched telephone network identifying the telephone number from which ~~the~~ said computer terminal is requesting access.

28. (currently amended) A method for controlling access of a one or more computer ~~terminal~~ terminals, said computer terminal operating under the direction of an operating system, having a

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terminal communications device connected to via public telecommunications lines to a ~~computer~~ telecommunications network via a gateway server having a first data structure and a server communications device accessible via public telecommunications lines at a predetermined address, providing connectivity to one or more destination hosts on the Internet, comprising:

providing removable computer readable media at said computer terminal, said readable media storing an address for accessing said gateway server and a profile identifier;

providing a database at ~~the~~ said first data structure storing at least one profile correlated to a profile identifier, said profile including one or more an access ~~criterion~~ criteria;

programming instructions at the removable computer readable media directing the operating system at the computer terminal to access said gateway server at the stored address via said telecommunications lines without storing said programming instructions at the computer terminal;

programming instructions at the removable computer readable media directing the operating system at ~~the~~ said computer terminal to transmit ~~the~~ said stored profile identifier to ~~the~~ said gateway server without storing said programming instructions at ~~the~~ said computer terminal;

~~the~~ said gateway server accessing a said profile associated with ~~the~~ said profile identifier received;

the gateway server determining whether ~~the~~ said access ~~criterion~~ criteria in the profile ~~is~~ are satisfied;

if said access ~~criterion is~~ criteria are not satisfied, ~~the~~ said gateway server denying ~~the~~ said requesting computer terminal access to the Internet;

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if said access ~~criterion is~~ criteria are satisfied, ~~the said~~ gateway server allowing ~~the said~~ requesting computer terminal access to the Internet based solely on the information stored on said computer readable media and without requiring said user to input any information; and

monitoring said Internet access and disconnecting said computer terminal if at any time during the Internet access said access ~~criterion is~~ criteria are not satisfied.

29. (currently amended) The method of claim 28 wherein ~~the~~ one of said access ~~criterion~~ criteria is the account balance of time.

30. (currently amended) The method of claim 28 wherein ~~the~~ said profile further includes predefined content criteria, the method further comprising monitoring ~~the~~ said Internet access and intercepting any Internet transmissions defined in ~~the~~ said content criteria.

31. (currently amended) The method of claim 28 wherein said computer terminal utilizes an Internet browser to receive Internet transmissions, ~~the~~ said method further comprising programming instructions at said removable computer readable media directing the launch of said Internet browser and directing ~~the~~ said Internet browser to a predetermined Internet address.

32. (currently amended) A system for controlling a user's access to the Internet, comprising:
a gateway server having access to the Internet, said gateway server having a server communications device accessible via public telecommunications lines at a predetermined

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address, said gateway server providing access to one or more destination domain hosts on the Internet;

a computer terminal having a terminal communications device connected to said public telecommunications lines, said computer terminal operating under the direction of an operating system;

removable computer readable media at said computer terminal, ~~the~~ said computer readable media storing:

- (a) an address for accessing said gateway server;
- (b) programming instructions directing said operating system to access said gateway server at ~~the~~ said stored address via said public telecommunications lines without storing said programming instructions at said computer terminal;

- (c) a profile identifier; and
- (d) programming instructions directing the transmission of said profile identifier to said gateway server without storing said programming instructions at said computer terminal; and

a first data structure at said gateway server storing:

- (a) a database storing at least one profile correlated to ~~a~~ said profile identifier, said profile including ~~an one or more~~ access criterion criteria;

- (b) programming instructions directing the receipt of ~~a~~ said profile identifier at said server communications device and the access of ~~a~~ said profile identified by said profile identifier;

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(c) programming instructions determining whether said access ~~criterion is~~
criteria are satisfied;

(d) programming instructions disconnecting said computer terminal if said
access ~~criterion is~~ criteria are not satisfied;

(e) programming instructions allowing the computer terminal Internet access
if said access ~~criterion is~~ criteria are satisfied based solely on the information stored on
said computer readable media and without requiring said user to input any information;
and

(f) programming instructions monitoring said Internet access and
disconnecting said computer terminal if at any time during ~~the said~~ Internet access said
access criterion ~~is not~~ are no longer satisfied.

33. (currently amended) The system of claim 32 wherein at least one of the access ~~criterion~~
criteria is the account balance of time.

34. (currently amended) The system of claim 32 wherein ~~the said~~ profile further includes
predefined content criteria, ~~the said~~ system further comprising programming instructions at ~~the~~
said gateway server directing ~~the said~~ gateway server to monitor ~~the said~~ Internet access and
intercept any Internet transmissions defined in ~~the said~~ content criteria.

35. (currently amended) The system of claim 32 further comprising:

Internet browser at said computer terminal receiving Internet transmissions; and

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programming instructions at said removable computer readable media directing the launch of said Internet browser and directing ~~the~~ said Internet browser to a predetermined Internet address after said Internet access is allowed by said gateway server.